

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1759	digital adj camera and pixel near locat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 11:18
L2	763	1 and (denois\$3 or smooth\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 11:18
L3	124	2 and sharpen\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 11:18
L4	33	3 and mosaic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 11:19
L5	33	4 and filter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 11:19
L6	32	5 and color\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 11:19
L7	32	6 and (demosaic\$4 or interpolat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/09 11:21

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L8	26	7 and luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 11:22
L9	20	8 and chrominance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 11:25
L10	5	9 and bilateral	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 11:22
L11	4	10 and (divid\$3 or division)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 11:23



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<in>metadata)
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- #3 ((denois\* and sharpen\*)<in>metadata)
- #4 ((denois\* and sharpen\*)<in>metadata)
- #5 ((mosaic\* and demosaic\*)<in>metadata)
- #6 ((bilateral filter\* and mosaic\*)<in>metadata)

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## » Key

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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Masayoshi, T.; Toshihiro, N.; Akira, S.;  
[Engineering in Medicine and Biology Society, 2004. EMBC 2004. Conference I](#)  
[Annual International Conference of the](#)  
Volume 1, 2004 Page(s):1509 - 1512 Vol.2  
Digital Object Identifier 10.1109/IEMBS.2004.1403463  
[AbstractPlus](#) | Full Text: [PDF](#)(296 KB) IEEE CNF  
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- ☐ 2. **A new wavelet-based approach to sharpening and smoothing of images i**  
**with applications to deblurring**  
Berkner, K.; Gormish, M.J.; Schwartz, E.L.; Boliek, M.;  
[Image Processing, 2000. Proceedings. 2000 International Conference on](#)  
Volume 3, 10-13 Sept. 2000 Page(s):797 - 800 vol.3  
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- ☐ 3. **New concepts on denoising and sharpening of video signals**  
Rieder, P.; Scheffler, G.;  
[Consumer Electronics, IEEE Transactions on](#)  
Volume 47, Issue 3, Aug. 2001 Page(s):666 - 671  
Digital Object Identifier 10.1109/30.964161  
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- ☐ 4. **Forward-and-backward diffusion processes for adaptive image enhancen**  
**denoising**  
Gilboa, G.; Sochen, N.; Zeevi, Y.Y.;  
[Image Processing, IEEE Transactions on](#)  
Volume 11, Issue 7, July 2002 Page(s):689 - 703  
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- ☐ 5. **Fuzzy LUM filters [image denoising/enhancement applications]**  
Yao Nie; Barner, K.E.;  
[Acoustics, Speech, and Signal Processing, 2004. Proceedings. \(ICASSP '04\).](#)

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Volume 2, 17-21 May 2004 Page(s):ii - 893-6 vol.2  
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- ☐ **6. New concepts on denoising and sharpening of video signals**  
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[Consumer Electronics, 2001. ICCE. International Conference on](#)  
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Digital Object Identifier 10.1109/ICCE.2001.935268  
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- ☐ **7. Design of piecewise linear sharpeners**  
Russo, F.;  
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Digital Object Identifier 10.1109/IST.2005.1594521  
[AbstractPlus](#) | Full Text: [PDF\(597 KB\)](#) IEEE CNF  
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- ☐ **8. Adaptive parameter selection for improved fuzzy image enhancement**  
Kam, H.S.; Tan, W.H.;  
[Computer Graphics, Imaging and Visualization, 2004. CGIV 2004. Proceeding: Conference on](#)  
26-29 July 2004 Page(s):131 - 136  
Digital Object Identifier 10.1109/CGIV.2004.1323973  
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- ☐ **9. An improved image enhancement combining smoothing and sharpening**  
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Digital Object Identifier 10.1109/TENCON.2003.1273209  
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- ☐ **10. Histogram modification via partial differential equations**  
Sapiro, G.; Caselles, V.;  
[Image Processing, 1995. Proceedings., International Conference on](#)  
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Digital Object Identifier 10.1109/ICIP.1995.537714  
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- ☐ **11. Image denoising using total least squares**  
Hirakawa, K.; Parks, T.W.;  
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Volume 15, Issue 9, Sept. 2006 Page(s):2730 - 2742  
Digital Object Identifier 10.1109/TIP.2006.877352  
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- ☐ **12. The fuzzy transformation and its applications in image processing**  
Yao Nie; Barner, K.E.;  
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- ☐ **13. Digital zoom camera with image sharpening and suppression**  
Weerasinghe, C.; Nilsson, M.; Lichman, S.; Kharitonenko, I.;  
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- ☐ **14. Adaptive noise reduction and sharpening of OSEM-reconstructed data**  
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- ☐ **15. A study of morphological edge enhancement by double structuring elem  
ultrasound B-mode images [biomedical imaging]**  
Tsubai, M.; Nishimura, T.; Sasaki, A.; Mitake, T.; Umemura, S.;  
[Ultrasonics Symposium, 2004 IEEE](#)  
Volume 2, 23-27 Aug. 2004 Page(s):1437 - 1440 Vol.2  
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- ☐ **16. Fingerprint image enhancement based on nonlinear anisotropic reverse-  
equations**  
Yufeng Hao; Chunwei Yuan;  
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- ☐ **17. Automatic enhancement of noisy images using evaluation of image quali**  
Russo, F.;  
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Volume 1, 18-20 May 2004 Page(s):621 - 626 Vol.1  
Digital Object Identifier 10.1109/IMTC.2004.1351126  
  
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- ☐ **18. Bilateral recovering of sharp edges on feature-insensitive sampled mesh**  
Wang, C.C.L.;  
[Visualization and Computer Graphics, IEEE Transactions on](#)  
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- ☐ **19. An improved fuzzy image enhancement by adaptive parameter selection**  
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- ☐ **20. Semi-fragile image authentication using generic wavelet domain features**  
Qibin Sun; Shih-Fu Chang;  
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Volume 2, 22-25 Sept. 2002 Page(s):II-901 - II-904 vol.2  
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- ☐ **21. Automatic enhancement of noisy images using objective evaluation of in**  
Russo, F.;  
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- ☐ **22. Combined Demosaicing and Adaptive Filtering on CFA Images**  
Tajbakhsh, T.; Grigat, R.-R.;  
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28-01 June 2006 Page(s):1 - 6  
  
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- ☐ **23. An adaptive soft-morphological-gradient-filter-for-edge-detection**  
Xiaoxin Guo; Zhiwen Xu; Yunjie Pang;  
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Digital Object Identifier 10.1109/ICIG.2004.31  
  
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- ☐ **24. Robust local max-min filters by normalized power-weighted filtering**  
Van Vliet, L.J.;  
[Pattern Recognition, 2004. ICPR 2004. Proceedings of the 17th International C](#)  
Volume 1, 23-26 Aug. 2004 Page(s):696 - 699 Vol.1  
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- ☐ **25. Optimized fuzzy transformation for image deblocking**  
Yao Nie; Barner, K.E.;  
[Multimedia and Expo, 2003. ICME '03. Proceedings. 2003 International Confe](#)  
Volume 1, 6-9 July 2003 Page(s):I - 541-4 vol.1  
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IEEE JNL IEEE Journal of  
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- ☐ **26. Image approximation and smoothing by support vector regression**  
Kai Tik Chow, D.; Tong Lee;  
[Neural Networks, 2001. Proceedings. IJCNN '01. International Joint Conference on](#)  
Volume 4, 15-19 July 2001 Page(s):2427 - 2432 vol.4  
Digital Object Identifier 10.1109/IJCNN.2001.938747  
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☐ **27. Progress with an "all-wavelet" approach to image enhancement and de-noising of**  
**digital thorax radiographic images**  
Bolet, J.-P.; Cowen, A.R.; Lauenders, J.; Davies, J.; Parkin, G.J.S.; Bury, R.F.;  
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☐ **28. An SVD-based grayscale image quality measure for local and global assessment**  
Shnayderman, A.; Gusev, A.; Eskicioglu, A.M.;  
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Volume 15, Issue 2, Feb. 2006 Page(s):422 - 429  
Digital Object Identifier 10.1109/TIP.2005.860605  
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☐ **29. Geometrical and signal processing aspects using a bistatic hitchhiking model**  
Overrein, O.; Olsen, K.E.; Johnsrud, S.; Sornes, P.K.; Johnsen, T.; Navarro, J.  
Stemland, R.O.;  
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9-12 May 2005 Page(s):332 - 336  
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IEE JNL IEE Journal or Magazine

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IEEE STD IEEE Standard

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Wu, X.; Zhang, L.;  
[Image Processing, IEEE Transactions on](#)  
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- ☐ 2. **Primary-consistent soft-decision color demosaicking for digital cameras**  
Xiaolin Wu; Ning Zhang;  
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- ☐ 3. **Binary Tree-based Generic Demosaicking Algorithm for Multispectral Filt**  
Miao, L.; Qi, H.; Ramanath, R.; Snyder, W.E.;  
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- ☐ 4. **Temporal color video demosaicking via motion estimation and data fusio**  
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Xiaolin Wu; Lei Zhang;  
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- ☐ **6. Primary-consistent soft-decision color demosaic for digital cameras**  
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- ☐ **7. Color demosaicking via directional linear minimum mean square-error es**  
Lei Zhang; Xiaolin Wu;  
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- ☐ **8. A MMSE estimate for demosaicking**  
Trussell, H.J.;  
[Image Processing, 2001. Proceedings. 2001 International Conference on](#)  
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Digital Object Identifier 10.1109/ICIP.2001.958125  
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Komatsu, T.; Saito, T.;  
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- ☐ **10. Mathematics for demosaicking**  
Trussell, H.J.; Hartwig, R.E.;  
[Image Processing, IEEE Transactions on](#)  
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- ☐ **11. Sharpening-demosaicking method for removal of image blurs caused by an optical low-pass filter**  
Komatsu, T.; Saito, T.;  
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- ☐ **12. Low-complexity linear demosaicking using joint spatial-chromatic image modeling**  
Portilla, J.; Otaduy, D.; Dorronsoro, C.;  
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- ☐ **13. Projective demosaicing using multiple overlapping images**  
Fung, J.; Mann, S.;  
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20-22 Oct. 2004 Page(s):190 - 193  
Digital Object Identifier 10.1109/ISIMP.2004.1434032  
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- ☐ **14. The design and evaluation of a generic method for generating mosaic filter arrays**  
Lidan Miao; Hairong Qi;  
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- ☐ **15. Lossless compression of color mosaic images**  
Ning Zhang; Xiaolin Wu;  
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- ☐ **16. The impulse responses of block shift-invariant systems and their use for algorithms**  
Hel-Or, Y.;  
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- ☐ **17. Demosaicing using optimal recovery**  
Muresan, D.D.; Parks, T.W.;  
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- ☐ **18. Direct super-resolution and registration using raw CFA images**  
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